

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057978.D
 Acq On : 7 Jun 2018 18:14
 Operator : JC/SY
 Sample : J3252-01
 Misc : 5.30g/5ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-060618

Quant Time: Jun 08 06:50:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	660682	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	881965	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	661151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	290049	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	313126	47.41	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.82%	
35) Dibromofluoromethane	5.53	113	328786	48.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.36%	
50) Toluene-d8	8.69	98	640279	39.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	78.94%	
62) 4-Bromofluorobenzene	11.92	95	263790	37.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.54%	

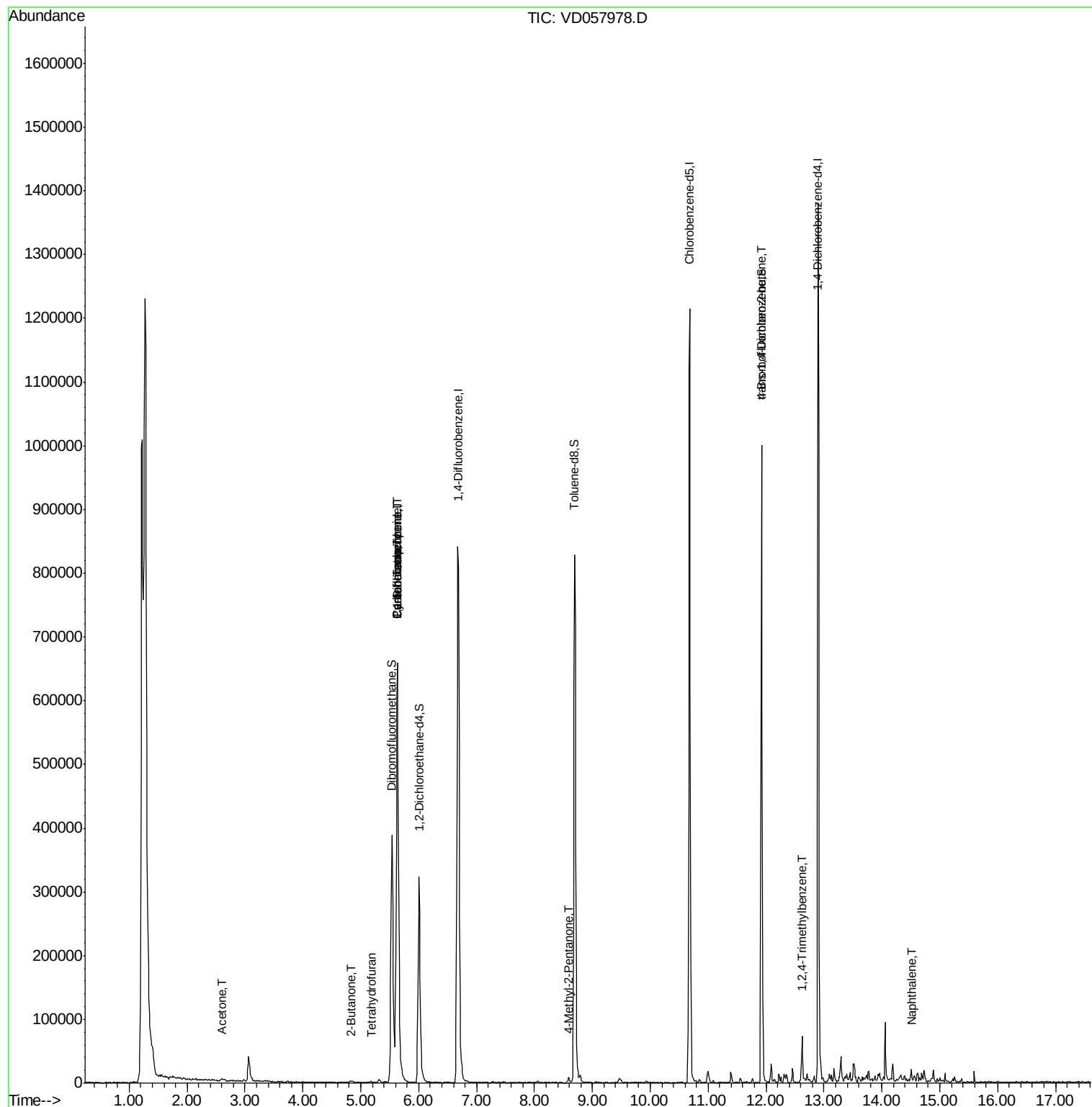
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.59	43	10992	11.551	ug/l #	57
20) Methylene Chloride	3.07	84	18418	Below Cal		84
25) 2-Butanone	4.83	43	2242	1.037	ug/l #	64
29) Tetrahydrofuran	5.17	42	1325	1.169	ug/l #	39
31) Cyclohexane	5.63	56	17600	1.532	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	57727	5.941	ug/l #	52
38) Carbon Tetrachloride	5.63	117	54956	5.739	ug/l #	15
51) 4-Methyl-2-Pentanone	8.59	43	8057	1.809	ug/l #	88
81) trans-1,4-Dichloro-2-buten	11.92	75	125725	116.504	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1696	Below Cal		87
84) 1,2,4-Trimethylbenzene	12.62	105	16846	1.046	ug/l	94
89) n-Butylbenzene	13.19	91	4010	Below Cal		78
95) Naphthalene	14.51	128	9597	1.025	ug/l #	93

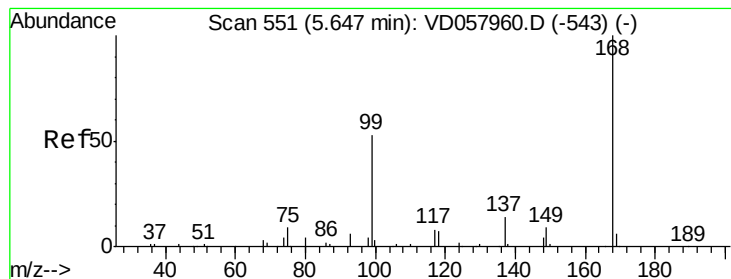
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD057978.D

Acq: 7 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

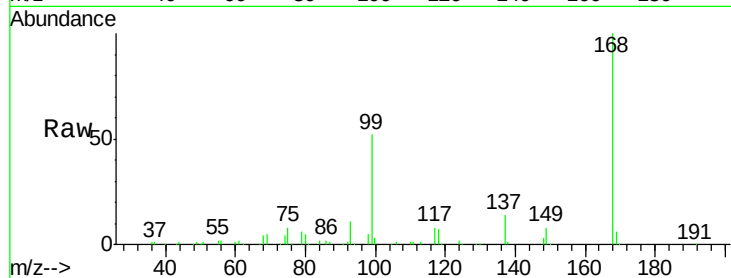
TR-04-060618

Tgt Ion:168 Resp: 660682

Ion Ratio Lower Upper

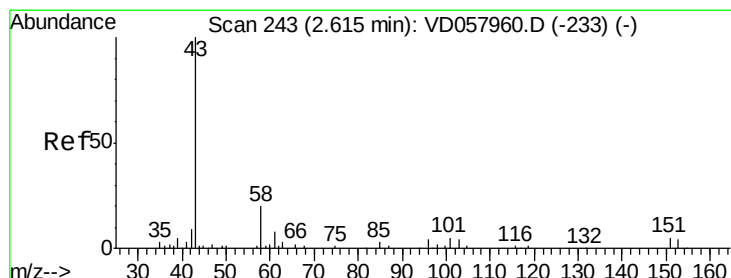
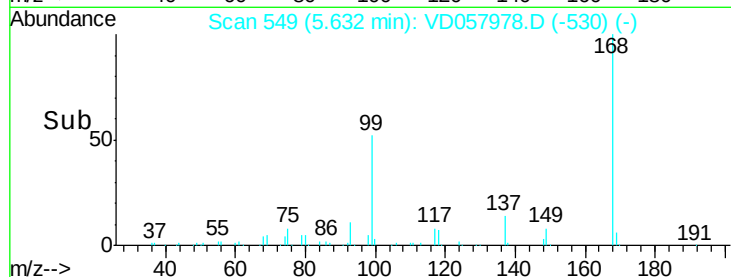
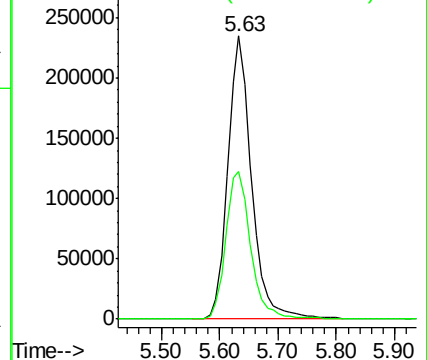
168 100

99 52.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 11.551 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD057978.D

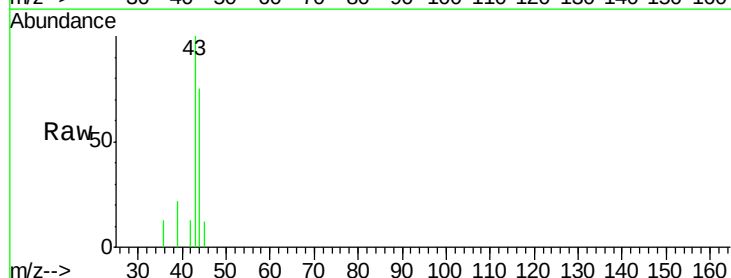
Acq: 7 Jun 2018 18:14

Tgt Ion: 43 Resp: 10992

Ion Ratio Lower Upper

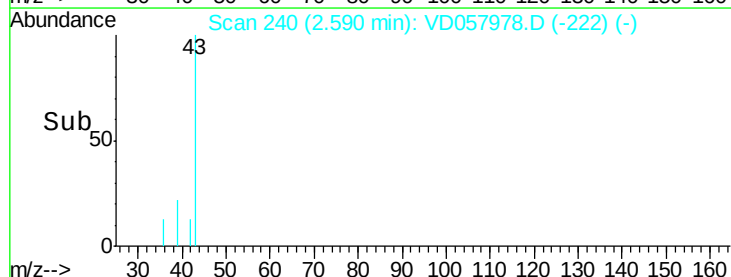
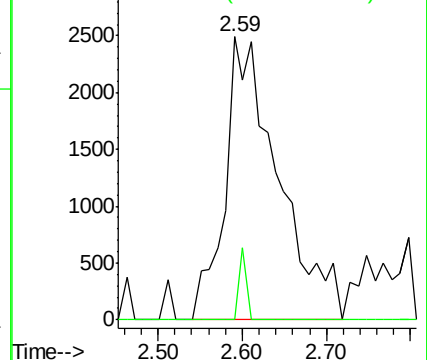
43 100

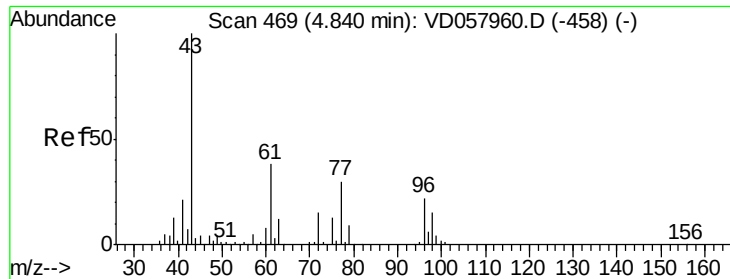
58 0.0 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 1.037 ug/l

RT: 4.83 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD057978.D

Acq: 7 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

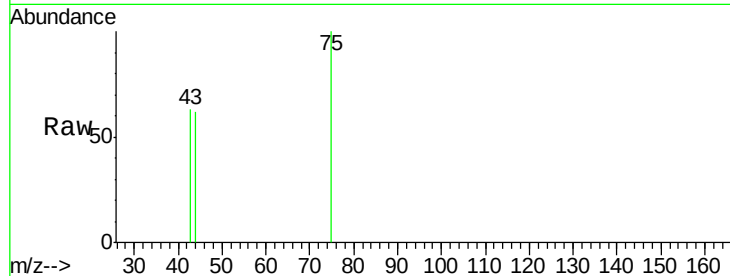
TR-04-060618

Tgt Ion: 43 Resp: 2242

Ion Ratio Lower Upper

43 100

72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.83

800

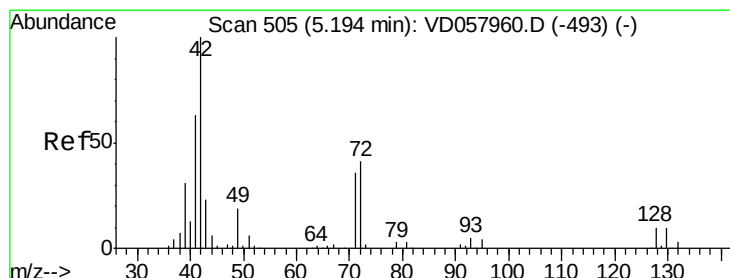
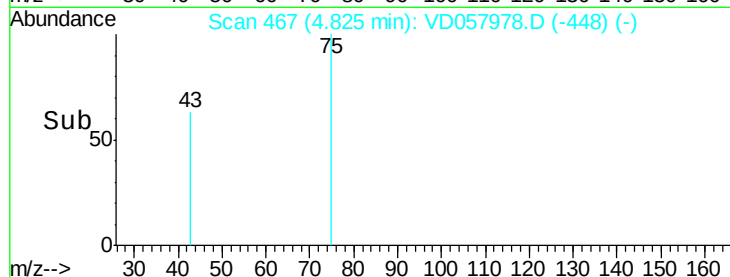
600

400

200

0

Time--> 4.75 4.80 4.85 4.90



#29

Tetrahydrofuran

Concen: 1.169 ug/l

RT: 5.17 min Scan# 502

Delta R.T. -0.02 min

Lab File: VD057978.D

Acq: 7 Jun 2018 18:14

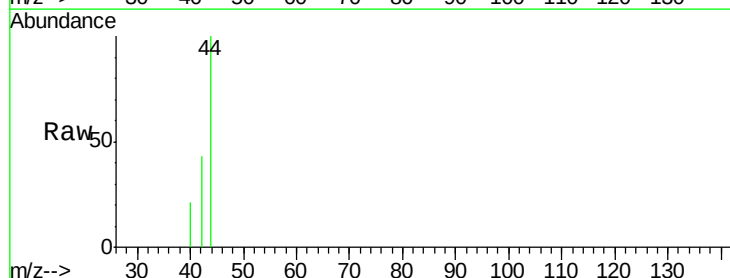
Tgt Ion: 42 Resp: 1325

Ion Ratio Lower Upper

42 100

72 0.0 28.5 42.7#

71 0.0 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

800

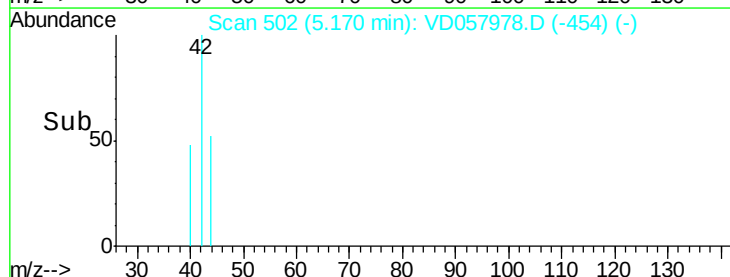
600

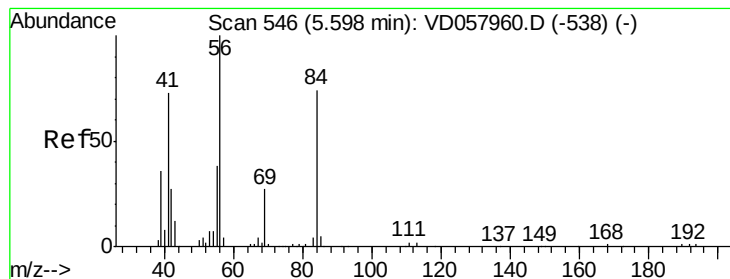
400

200

0

Time--> 5.15 5.20





#31

Cyclohexane

Concen: 1.532 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD057978.D

Acq: 7 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

TR-04-060618

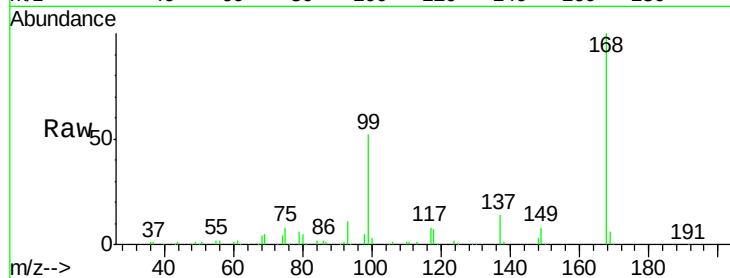
Tgt Ion: 56 Resp: 17600

Ion Ratio Lower Upper

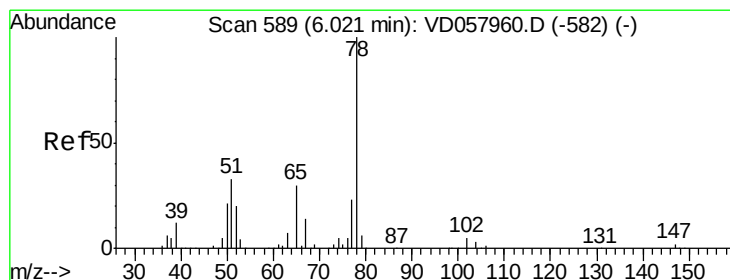
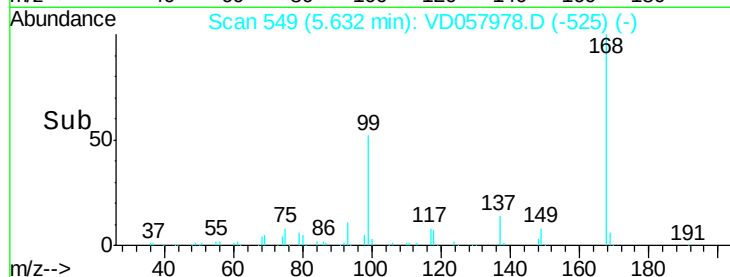
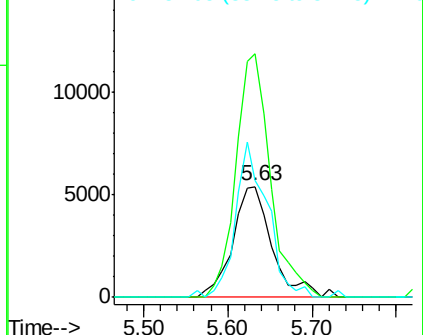
56 100

69 219.7 21.5 32.3#

84 105.0 61.0 91.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD057978.D

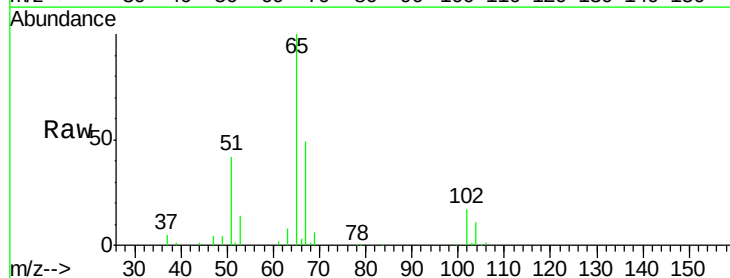
Acq: 7 Jun 2018 18:14

Tgt Ion: 65 Resp: 313126

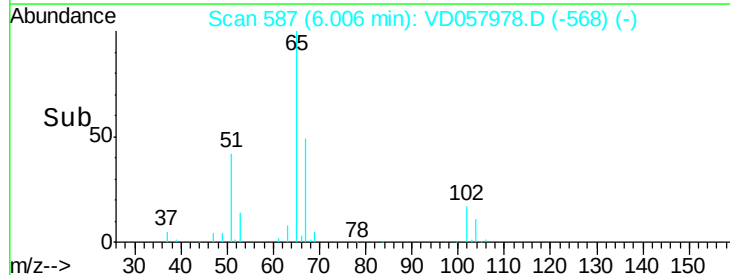
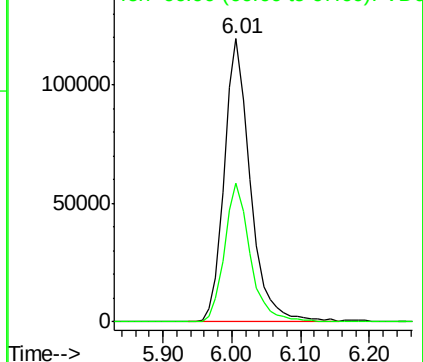
Ion Ratio Lower Upper

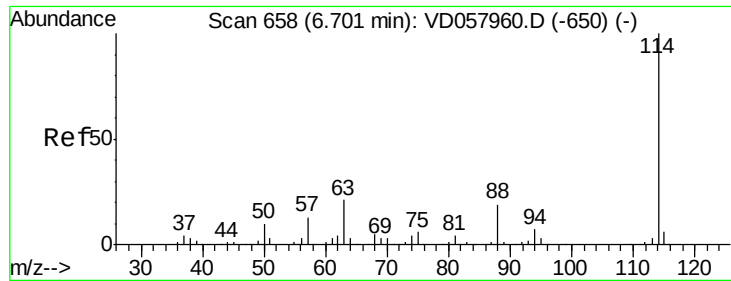
65 100

67 49.2 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

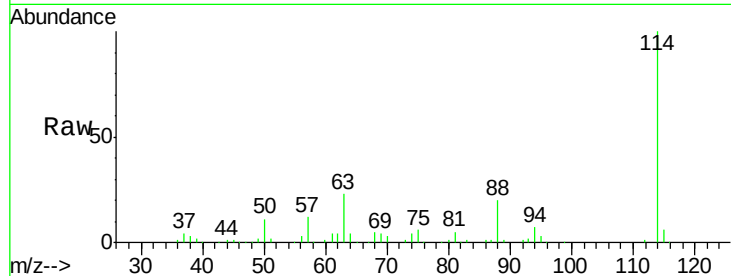




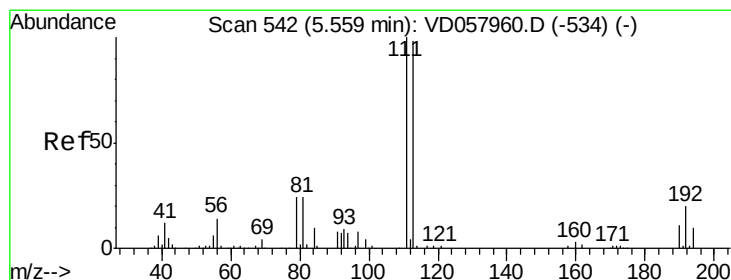
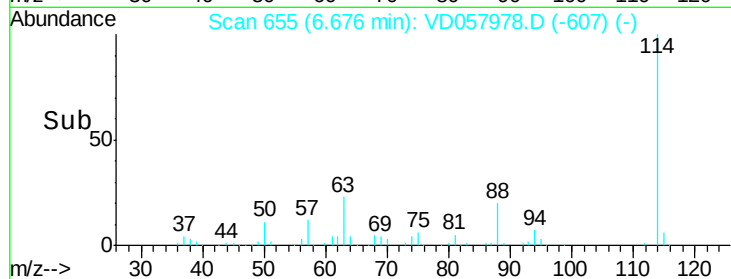
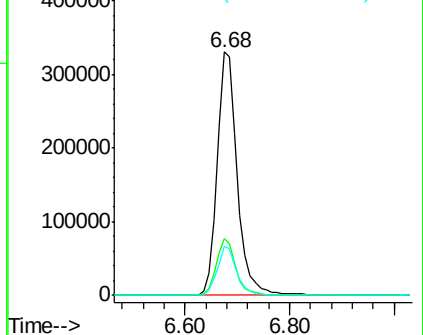
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD057978.D
 Acq: 7 Jun 2018 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-060618

Tgt Ion:114 Resp: 881965
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 42.8
 88 20.4 0.0 37.8

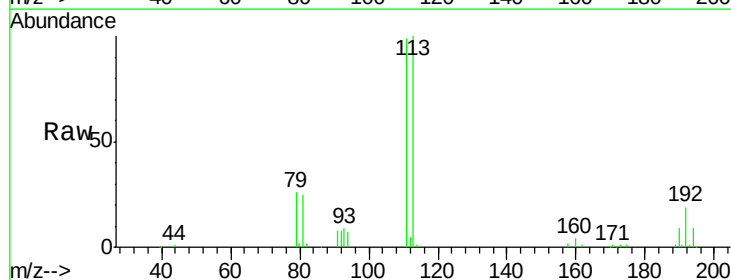


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

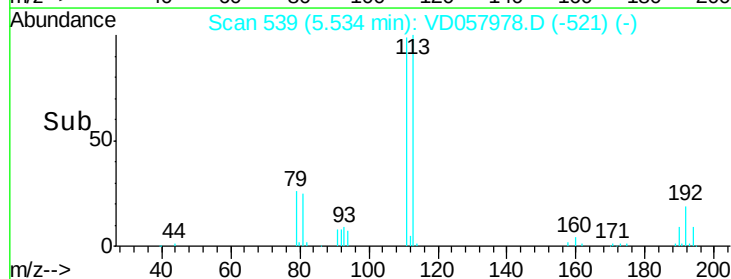
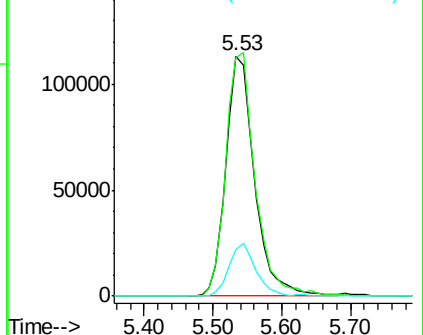


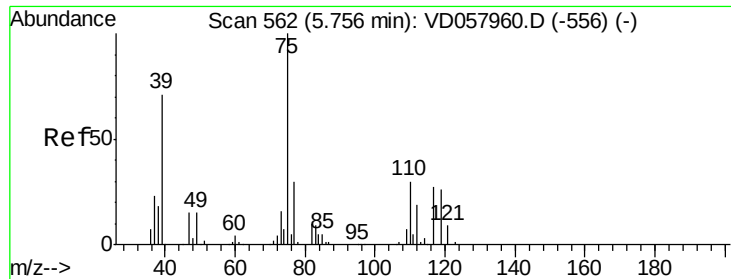
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD057978.D
 Acq: 7 Jun 2018 18:14

Tgt Ion:113 Resp: 328786
 Ion Ratio Lower Upper
 113 100
 111 99.3 81.5 122.3
 192 19.2 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

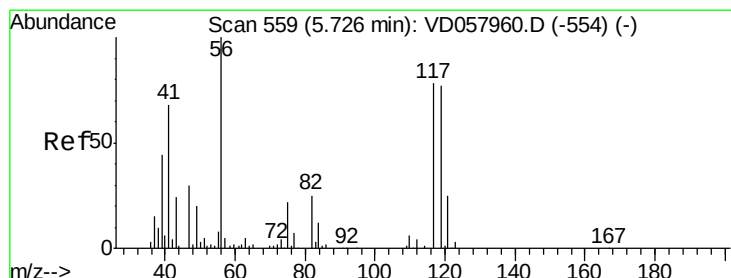
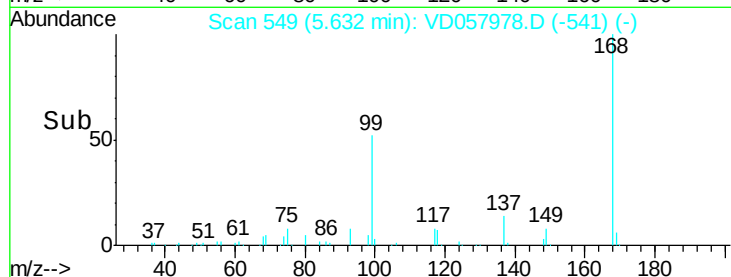
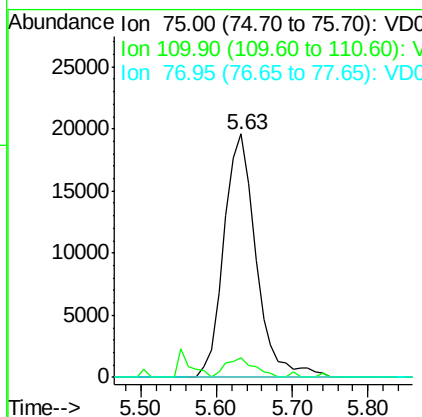
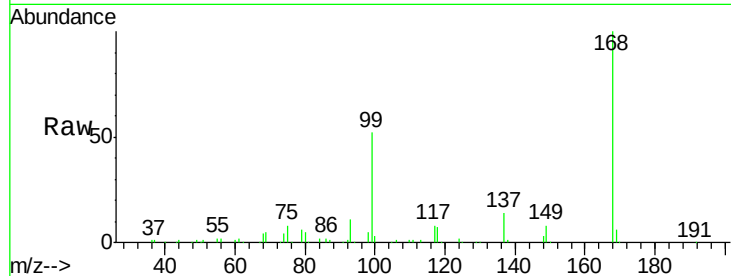




#36
 1,1-Dichloropropene
 Concen: 5.941 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD057978.D
 Acq: 7 Jun 2018 18:14

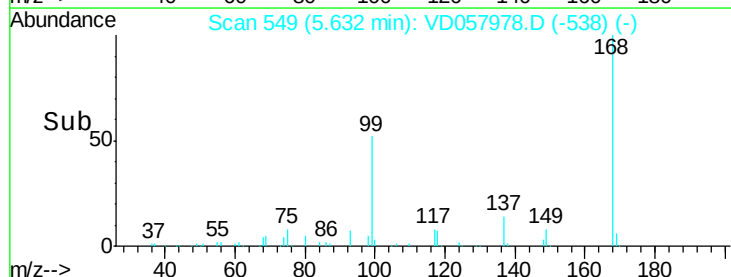
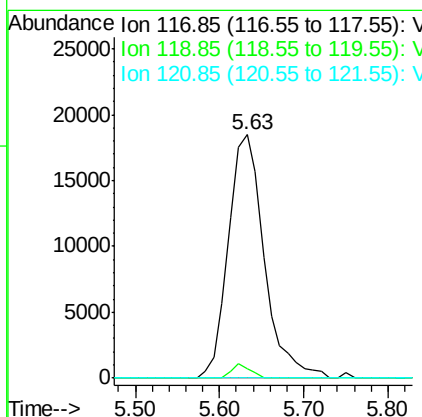
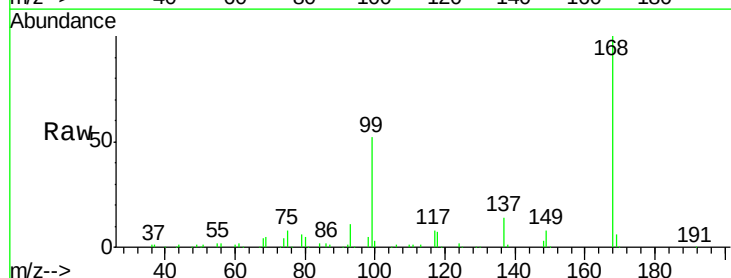
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-060618

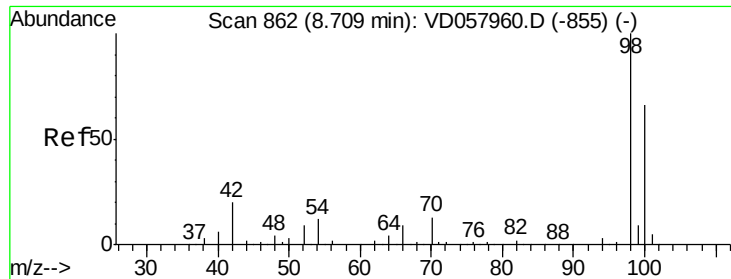
Tgt Ion: 75 Resp: 57727
 Ion Ratio Lower Upper
 75 100
 110 7.9 14.8 44.3#
 77 0.0 23.9 35.9#



#38
 Carbon Tetrachloride
 Concen: 5.739 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.09 min
 Lab File: VD057978.D
 Acq: 7 Jun 2018 18:14

Tgt Ion: 117 Resp: 54956
 Ion Ratio Lower Upper
 117 100
 119 3.8 76.1 114.1#
 121 0.0 24.9 37.3#

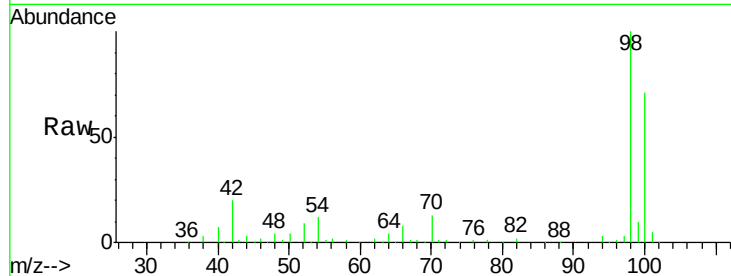




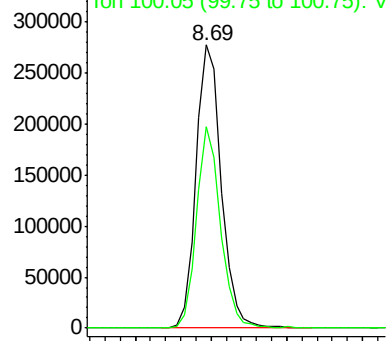
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.01 min
Lab File: VD057978.D
Acq: 7 Jun 2018 18:14

Instrument :
MSVOA_D
ClientSampleId :
TR-04-060618

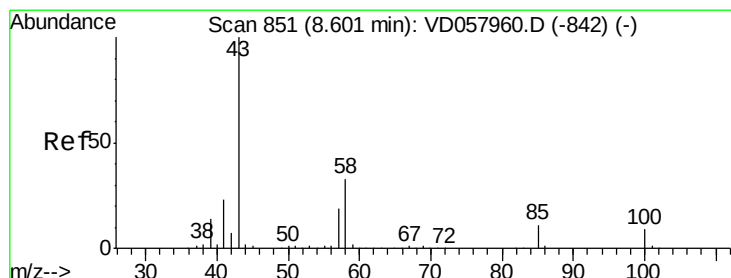
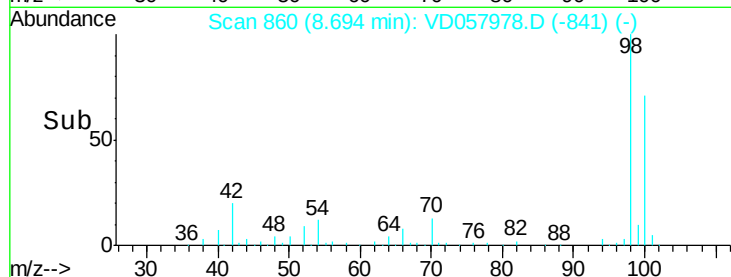
Tgt Ion: 98 Resp: 640279
Ion Ratio Lower Upper
98 100
100 71.1 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VD057978.D (-841) (-)
Ion 100.05 (99.75 to 100.75): VD057978.D (-841) (-)

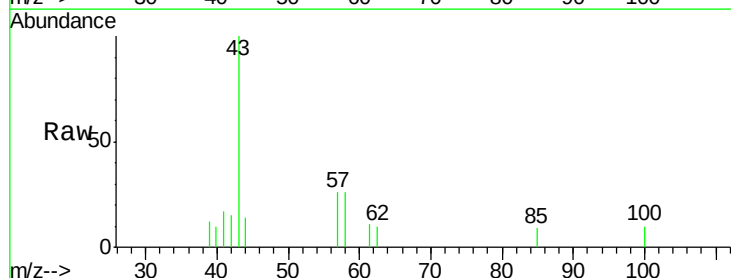


Time-->

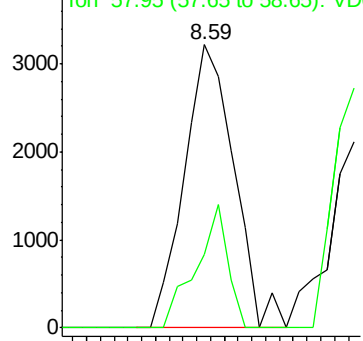


#51
4-Methyl-2-Pentanone
Concen: 1.809 ug/l
RT: 8.59 min Scan# 849
Delta R.T. -0.01 min
Lab File: VD057978.D
Acq: 7 Jun 2018 18:14

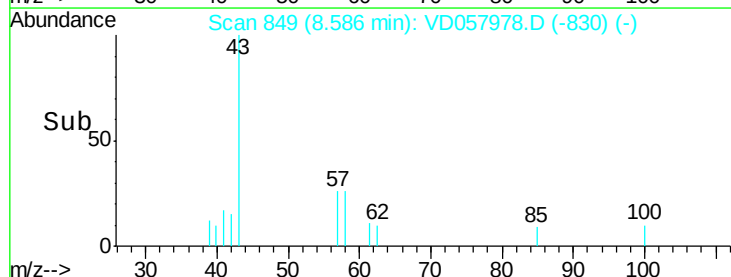
Tgt Ion: 43 Resp: 8057
Ion Ratio Lower Upper
43 100
58 25.8 26.2 39.4#

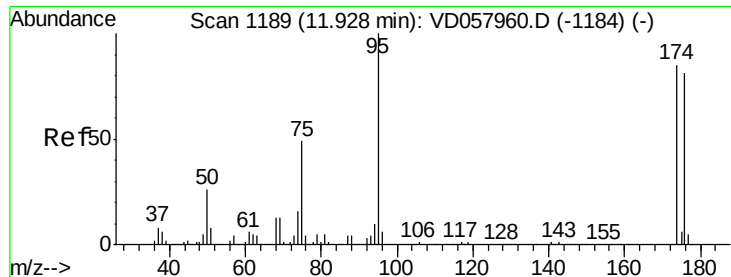


Abundance Ion 42.95 (42.65 to 43.65): VD057978.D (-830) (-)
Ion 57.95 (57.65 to 58.65): VD057978.D (-830) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD057978.D

Acq: 7 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

TR-04-060618

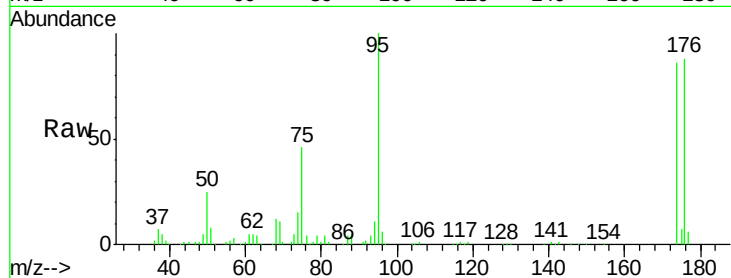
Tgt Ion: 95 Resp: 263790

Ion Ratio Lower Upper

95 100

174 86.1 0.0 169.4

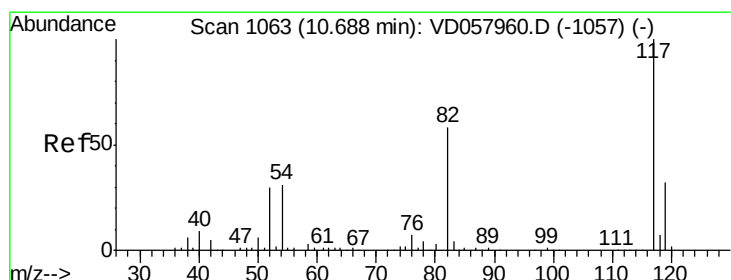
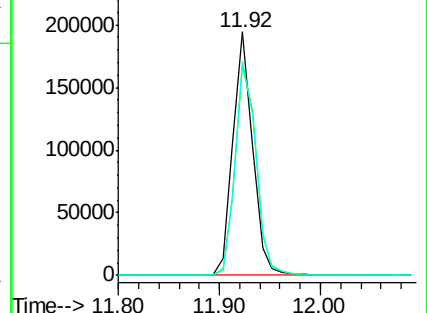
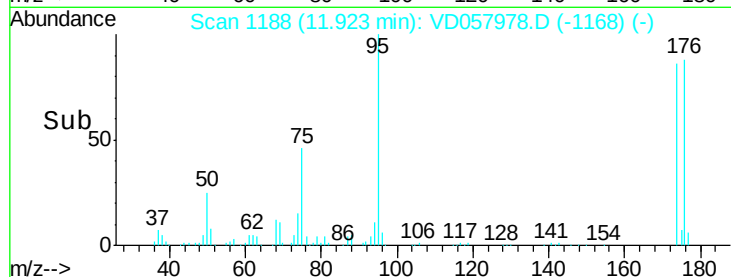
176 88.1 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD057978.D

Acq: 7 Jun 2018 18:14

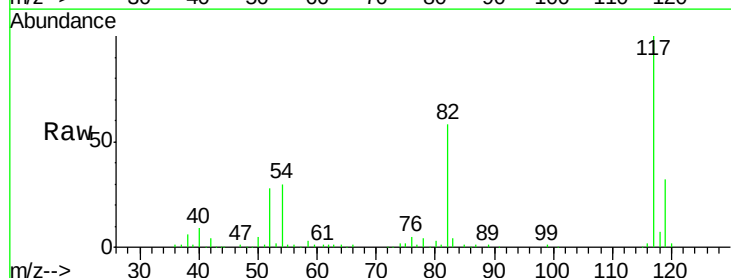
Tgt Ion: 117 Resp: 661151

Ion Ratio Lower Upper

117 100

82 58.4 46.8 70.2

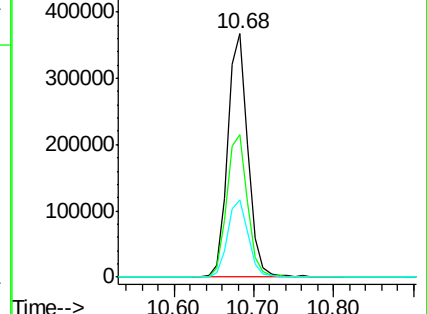
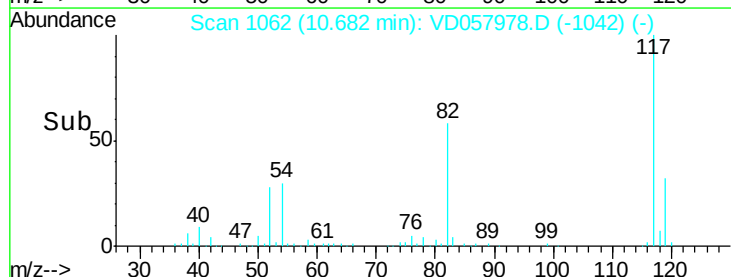
119 31.8 25.8 38.6

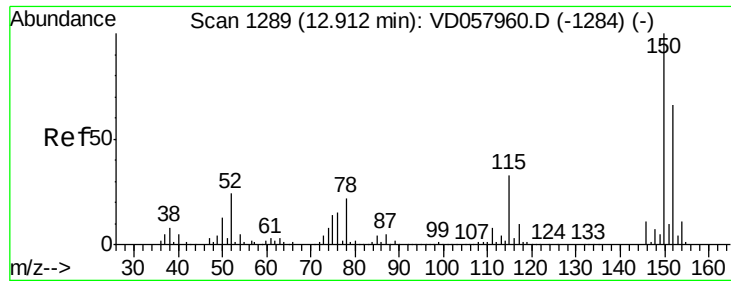


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



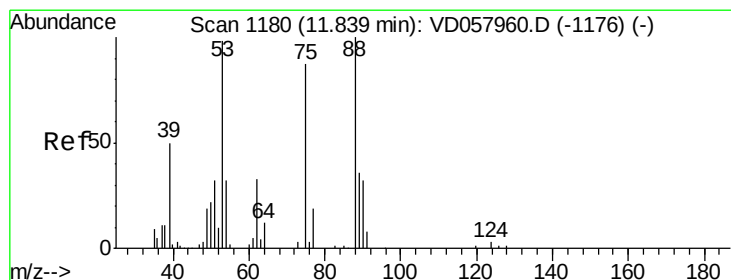
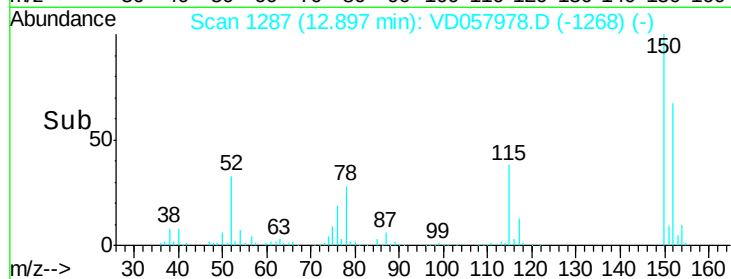
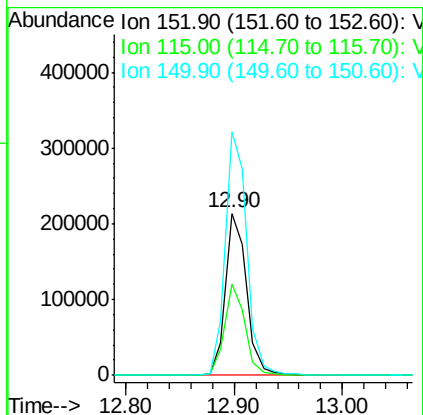
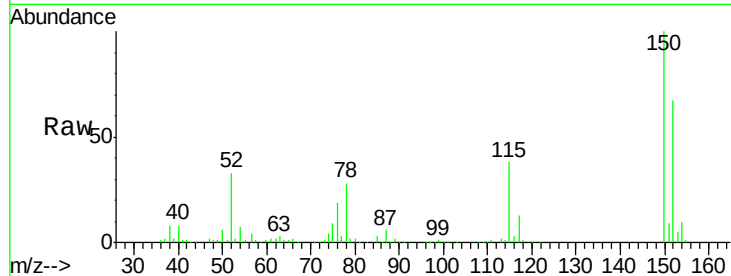


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD057978.D
Acq: 7 Jun 2018 18:14

Instrument :
MSVOA_D
ClientSampleId :
TR-04-060618

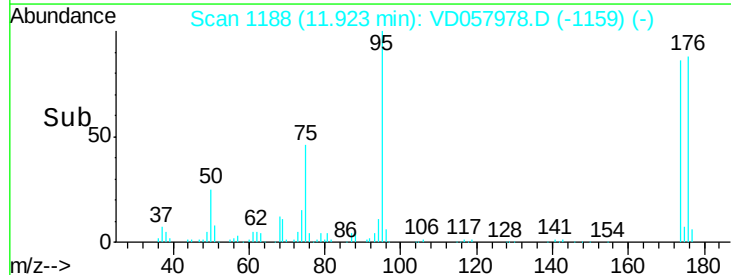
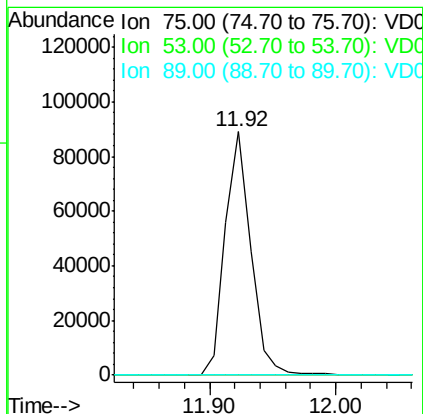
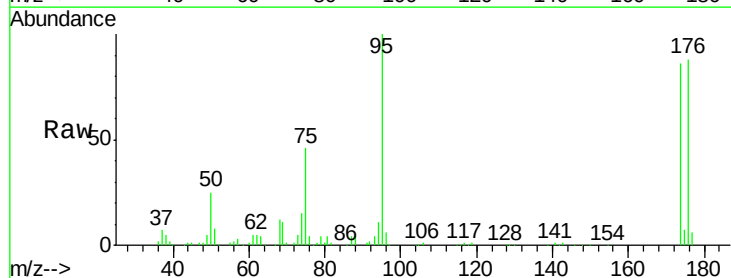
Tgt Ion: 152 Resp: 290049
Ion Ratio Lower Upper
152 100
115 56.5 25.6 76.6
150 150.1 0.0 306.8

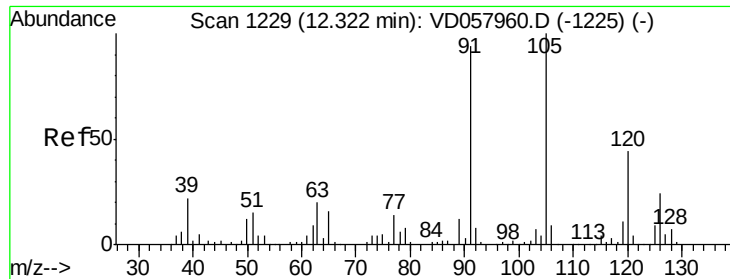


#81

trans-1,4-Dichloro-2-butene
Concen: 116.504 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD057978.D
Acq: 7 Jun 2018 18:14

Tgt Ion: 75 Resp: 125725
Ion Ratio Lower Upper
75 100
53 0.0 89.3 133.9#
89 0.0 33.3 49.9#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD057978.D

Acq: 7 Jun 2018 18:14

Instrument :

MSVOA_D

ClientSampleId :

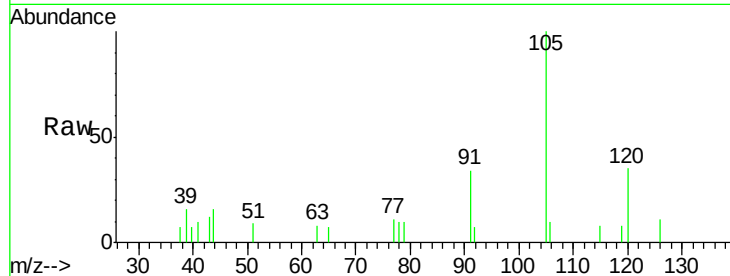
TR-04-060618

Tgt Ion: 91 Resp: 1696

Ion Ratio Lower Upper

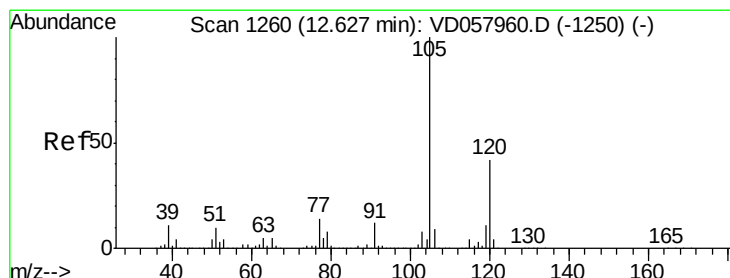
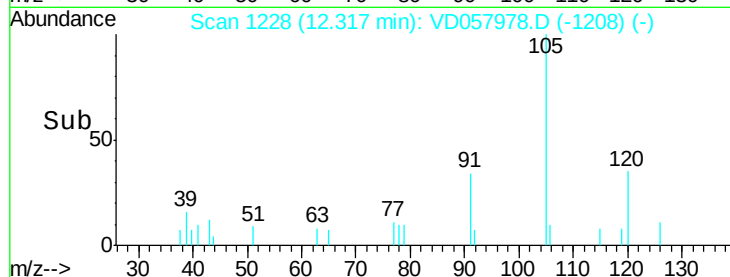
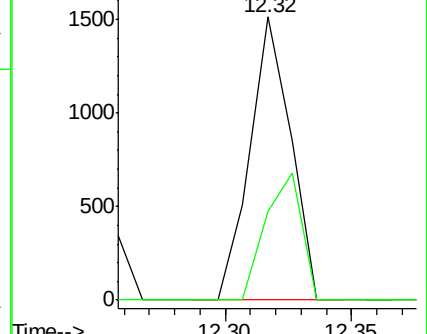
91 100

126 31.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#84

1,2,4-Trimethylbenzene

Concen: 1.046 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VD057978.D

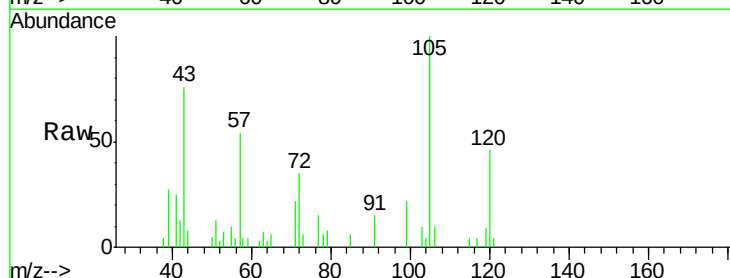
Acq: 7 Jun 2018 18:14

Tgt Ion: 105 Resp: 16846

Ion Ratio Lower Upper

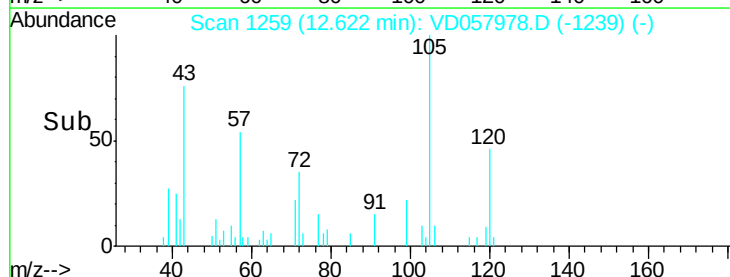
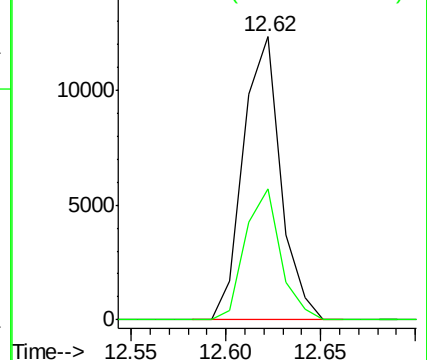
105 100

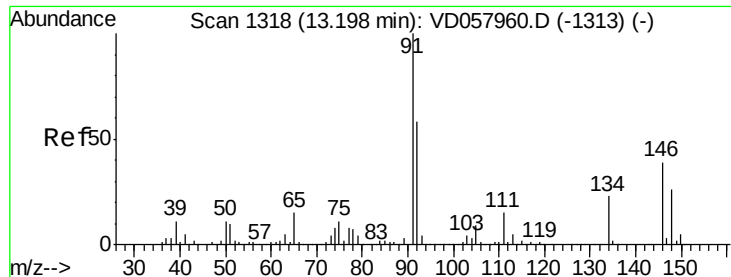
120 46.2 21.2 63.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

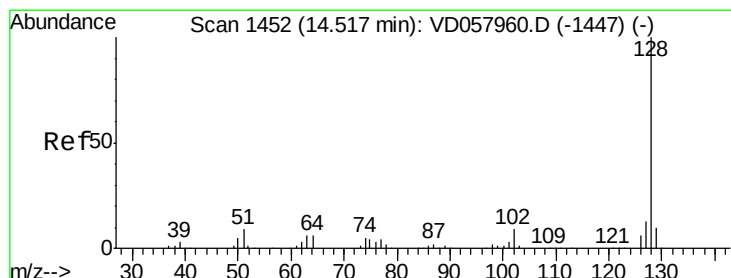
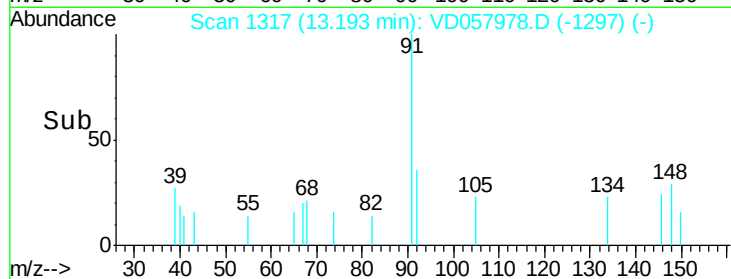
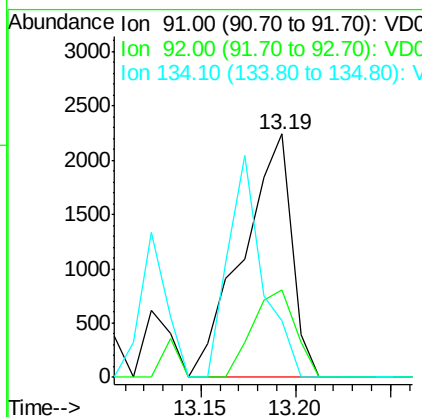
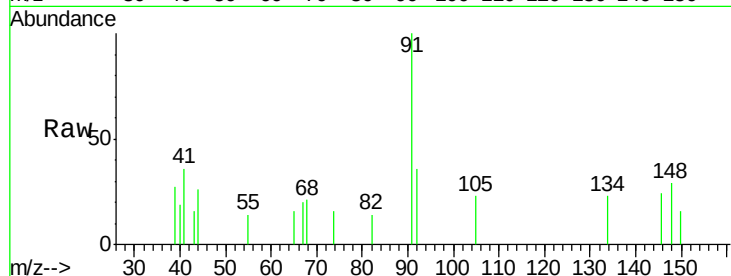




#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD057978.D
Acq: 7 Jun 2018 18:14

Instrument :
MSVOA_D
ClientSampleId :
TR-04-060618

Tgt Ion: 91 Resp: 4010
Ion Ratio Lower Upper
91 100
92 35.7 29.2 87.6
134 23.1 11.3 33.9



#95
Naphthalene
Concen: 1.025 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057978.D
Acq: 7 Jun 2018 18:14

Tgt Ion: 128 Resp: 9597
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 15.8 8.2 12.2#

